

These photographs belong to the Receipt  
for Samples, dated 1-11-84. (SA Vol 1)  
FIT memo report/Sampling Inspection

90067061



ECOLOGY AND ENVIRONMENT, INC.

REGION VI

MEMORANDUM

TO: Dave Peters, Chief  
Hazardous Waste Section  
EPA, Region VI

FROM: G. A. Gallagher III,  
FII Environmental Scientist

THRU: K. H. Malone, Jr., RPM *KAM*

DATE: July 31, 1984

SUBJ: Sampling Inspection at Precision National Corporation, Waco, TX (TX9971)  
TDD #R6-8311-33

REVIEWED BY *AECH*

DATE *2-14-85*

*770056363708*

*7/11/84*  
The FII was tasked to conduct sampling at Precision National Corporation in Waco, Texas as a result of high chromium and lead levels found in a sample taken during a reconnaissance inspection conducted on June 20, 1983. Upon arrival at the site, the FII met with William Mathews, Regional and Plant Manager. Mr. Mathews expressed some concern in regard to the chromium and lead found in the recon inspection sample. He pointed out that lead was not in any way associated with the plating process or machining operations going on at the plant. He was also concerned that the chromium found may not be related to the plating process, waste treatment or temporary storage. The large crankshafts and other engine parts which have been chrome plated are subjected to a certain amount of grinding, filing and polishing. This results in filings and dust which have been disposed of in back of the plant in the past. It was his opinion that the total chrome analysis of the recon sample reflected this filing material, and that untreated Cr<sup>+6</sup> or Cr<sup>+3</sup> from the treatment system was not a part of the elevated amount detected.

Because of the potential for finding very high levels of chromium in the samples, it was believed that a special analysis for chromium valence would provide the FII with better information to indicate the problem source, as well as a more specific identification of the contamination hazard.

A total of thirteen surface soil samples were taken at the site. Descriptions of their locations are provided below (also refer to the attached sketch of sample locations) as well as a summary of chromium present in each, and other elevated inorganics. Complete tables of sample analysis data are attached.

Station #01

30' north of Precision Road, 120' west of south driveway entrance. 0 - 3" depth

*Cr (total)	8ppm
Cr (total)	9.6ppm
*Cr+3	8ppm
*Cr+6	<1ppm
Silver	2.7ppm
Arsenic	32ppm
Mercury	0.12ppm
Lead	21ppm

**SUPERFUND FILE**

JAN 19 1993

ORGANIZED

*73106 23*





Photographer / Witness

Guaid A Gallagher / Lonnie Ross

Date / Time / Direction

1-11-84 0933 NW

Comments: Sample location 01



Photographer / Witness

Guaid A Gallagher / Lonnie Ross

Date / Time / Direction

1-11-84 0944 N

Comments: Sample location 02  
in soccer field

Photographer / Witness

Date / Time / Direction

Comments:

TXD05636 3708  
SUPERFUND FILE

JAN 21 1993

REORGANIZED  
Precisional Nat'l Corp



Precision National  
Plant



Photographer / Witness

Date / Time / Direction

Comments:

Photographer / Witness

*Guard A Gallagher / Ronnie Ross*

Date / Time / Direction

1-11-84 0954 N

Comments: *Sample location 03*

Photographer / Witness

Date / Time / Direction

Comments:





Photographer / Witness

Date / Time / Direction

Comments:

Photographer / Witness

*Gerard A. Gallagher / Lomir Rose*

Date / Time / Direction

1-11-84 1013 W

Comments: panarama of sample  
location 04; railroad  
tracks are seen in  
background

Photographer / Witness

Date / Time / Direction

Comments:





Photographer / Witness

*Guard A Gallagher / Lonnie Ross*

Date / Time / Direction

*1-11-84 1033 NW*

Comments: *Sample location 05*

Photographer / Witness

Date / Time / Direction

Comments:



Photographer / Witness

*Guard A Gallagher / Lonnie Ross*

Date / Time / Direction

*1-11-84 1040 S*

Comments: *Sample location 06*





← Precisi National Plant

Photographer / Witness

Guadalupe Gallagher / Lonnie Ross

Date / Time / Direction

1-11-84 1107 N

Comments: Sample location 07

Photographer / Witness

Date / Time / Direction

Comments: \_\_\_\_\_



Photographer / Witness

Guadalupe Gallagher / Lonnie Ross

Date / Time / Direction

1-11-84 1118 N

Comments: Sample location 08



NE

EAST



drainage  
from  
site

Photographer / Witness

Gene A. Galloway / Lonnie Ross

Date / Time / Direction

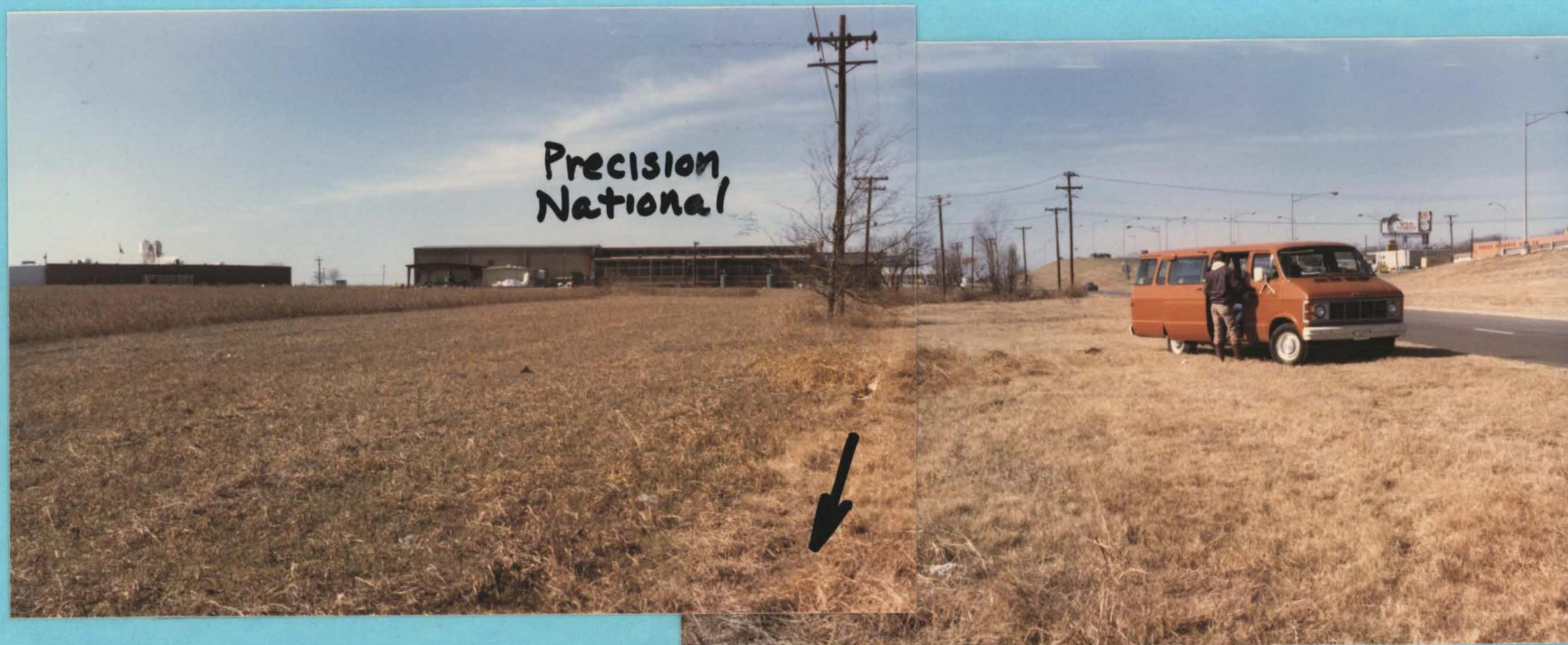
1-11-84 1208 E to NE

Comments:

Sample location 09

drainage  
from  
site





Photographer / Witness  
Gerard A. Gallina / Lonnie Ross  
Date / Time / Direction  
1-11-84 1210 W  
Comments:  
panarama of Precision  
National plant in background  
and drainageway in foreground.  
Arrow indicates direction of  
surface flow.



E



SE



Photographer / Witness

Gerald Gallagher / Lonnie Rosa

Date / Time / Direction

1-11-84 1210 E to SE

Comments:

panarama depicting  
sample locations 09  
and 10



ditch paralleling  
railroad tracks



Photographer / Witness

Date / Time / Direction

Comments:

Photographer / Witness

Garland A. Gallagher / Lonnie Ross

Date / Time / Direction

1-11-84 1249 S

Comments: arrows indicate  
locations of three aliquots  
comprising composite  
soil location 10

Photographer / Witness

Date / Time / Direction

Comments:





Photographer / Witness

Date / Time / Direction

Comments:

Photographer / Witness

*Genel A. Gallagher* / *Louise Rosa*

Date / Time / Direction

1-11-84 <sup>1257</sup> ~~1249~~ E

Comments: <sup>98</sup> Sample location 11

Photographer / Witness

Date / Time / Direction

Comments:





Photographer / Witness

*Gene A. Galligan / Lonnie Ross*

Date / Time / Direction

1-11-84 1318 N

Comments: Composite sample  
location 12

Photographer / Witness

Date / Time / Direction

Comments:



Photographer / Witness

*Gene A. Galligan*

Date / Time / Direction

1-11-84 1320 SW

Comments: Composite sample  
location 12





Photographer / Witness

Gene A. Gallagher / Lonnie Ross

Date / Time / Direction

1-11-84 1334 NE

Comments: Composite sample  
location 13. Note that  
large drainage ditch proceeds  
into background to service  
road ditch

Photographer / Witness

Date / Time / Direction

Comments:



Photographer / Witness

Gene A. Gallagher / Lonnie Ross

Date / Time / Direction

1-11-84 1334 NNE

Comments: Composite sample  
location 13





Photographer / Witness

G.GALLAGHER/M.RIFORGIAT

Date / Time / Direction

6-20-83/1420/SW

Comments: WASTEWATER

TREATMENT EQUIPMENT.



Photographer / Witness

G.GALLAGHER/M.RIFORGIAT

Date / Time / Direction

6-20-83/1421/WEST

Comments: WASTEWATER

TREATMENT EQUIPMENT



Photographer / Witness

G.GALLAGHER/M.RIFORGIAT

Date / Time / Direction

6-20-83/1422/WEST

Comments: WASTEWATER

TREATMENT EQUIPMENT





Photographer / Witness

G. GALLAGHER / M. RIFORGIAT

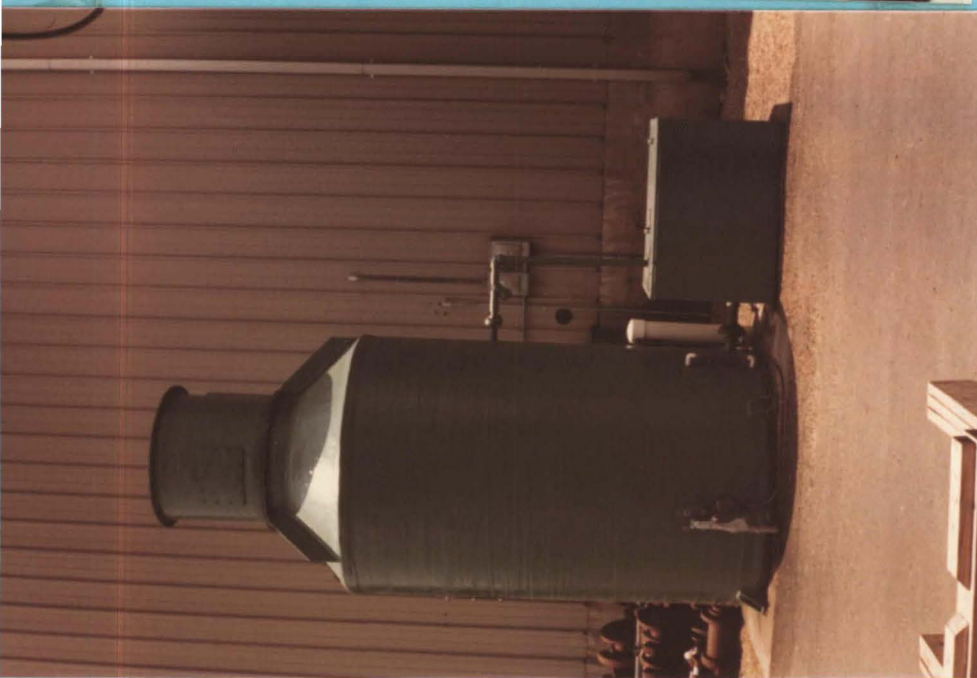
Date / Time / Direction

6-20-83 / 1425 / WEST

Comments: WASTWATER

TREATMENT SLUDGE

DRYING / STORAGE EQUIP.



Photographer / Witness

G. GALLAGHER / M. RIFORGIAT

Date / Time / Direction

6-20-83 / 1427 / WEST

Comments: AIRBORNE

PARTICULATE PRECIPITATOR



Photographer / Witness

G. GALLAGHER / M. RIFORGIAT

Date / Time / Direction

6-20-83 / 1441 / SW

Comments: RUNOFF PATH

FROM PLANT. OFFSITE

SAMPLE LOCATION